



MacBook Pro 15" Retina Battery Replacement

This repair was annoying in time. Apple really put it all on the double side tape to secure the 6 battery cells in place. This stuff can keep an Airbus 330 wings glued together.

Written By: flps74

Step 1 — Battery



- Sorry, no pics. Please refer to all other pictures of tear downs for this Macbook.

Step 2



- The back cover screws are all the same except for the corner ones which are longer. Store them accordingly.

Step 3



- Unplug the battery before doing anything else once the cover is removed. To pull this cover, I used a small suction cup.

Step 4



- Battery unplugged is important to avoid short circuits. Lithium batteries love to burn like napalm!

Step 5



- The worst part of the job is to ever so slowly tear the battery cells away from their double side tape. The classic superegos will not do it. I used an old tooth brush which I grinded down to a gradual width. The rigidity is important.

Step 6



- One cell after the other, slowly move out the concerned cell waiting for the "snap, crackle and yes pop", to sound. The double side tape is slowly loosing it's grip. Remember the tape is set all around every cell. The cells may warp as you pry them out. (slowly)

Step 7



- When you get the 6 of them out, there is two very evident Phillips screws to remove from the main frame holding this complex harness in place.

Step 8



- Take the time to clean off the two cooling fans from all the dust accumulated. While you are in there. Preventive maintenance obliges.

Step 9



- Then remove (fun) the lingering double side tape. Isopropyl alcohol contrary to popular belief will not help all that much unless you spend the rest of the week working at it. Use 3M adhesive remover. Immensely efficient.

Step 10



- Install the new battery in reverse order. Do not forget those corner screws. As a first time it took me 2,5 hours. The next time it should take me 35 minutes. Tops. Also, get yourself a small 1,2 mm pentobe screwdriver. Torx, pentobe, Phillips is really a huge pain in this age of supposed standardization. Apologies for this editorial...)

To reassemble your device, follow these instructions in reverse order.

This document was last generated on 2017-06-21 07:20:39 PM.